

Claims

1. A local network system, comprising:
 - a satellite receiving device for receiving satellite signals from at least one transponder;
 - 5 a primary DHCT for receiving the satellite signals from the satellite receiving device, and for selectively storing presentations included in the satellite signals, the primary DHCT comprising:
 - a storage device for storing the at least one presentation;
 - 10 a modulator for modulating the at least one stored presentation to a predetermined frequency, and for providing the modulated signals; and
 - a plurality of remote devices coupled to the primary DHCT, each remote device for receiving the satellite signals and for receiving the modulated signals from the primary DHCT.
- 15 2. The local network system of claim 1, wherein the modulator is a QPSK modulator.
3. The local network system of claim 1, further comprising a switch for receiving the satellite signals from the satellite receiving device having a first and a second polarization, and for providing the modulated signals having a third polarization.
- 20 4. The local network system of claim 3, wherein the modulator assigns the third polarization to the at least one stored presentation.
- 25 5. The local network system of claim 3, further comprising a switch for receiving the satellite signals from the satellite receiving device, the satellite signals having a polarization, and for providing the satellite signals to at least one of the primary DHCT and the plurality of remote devices, and for receiving the modulated signals from the primary DHCT and for providing the modulated signals to the plurality of remote devices.
- 30 6. The local network system of claim 5, wherein the modulated signals have a polarization that is different than the polarization of the satellite signals.

7. The local network system of claim 1, wherein the satellite signals are transmitted in a plurality of downstream frequency ranges, and wherein the modulated signals are transmitted in the predetermined frequency that is excluded from the plurality of downstream frequency ranges.

5

8. The local network system of claim 1, further comprising a switch for receiving the satellite signals and the modulated signals, wherein the satellite signals are transmitted in a plurality of downstream frequency ranges, and wherein the modulated signals are transmitted in the predetermined frequency that is included in the plurality of downstream frequency ranges, wherein one of the satellite signals and the modulated signals are selected by a switching function.

10

9. The local network system of claim 8, wherein the switching function resides in a separate external unit.

15

10. The local network system of claim 9, wherein the external unit is incorporated in an LNB.

20

11. The local network system of claim 5, wherein the switching function resides in the primary DHCT.

12. The local network system of claim 1, wherein the plurality of remote devices communicates with the primary DHCT by transmitting at least one reverse command signal.

25

13. A satellite communications system for transmitting downstream satellite signals from a satellite transponder to a plurality of satellite receivers, the satellite signals transmitted in a plurality of frequencies having a polarization, the satellite receiver network comprising:

30

a satellite receiver for receiving and processing the downstream satellite signals; a switch for receiving the processed satellite signals and for providing the processed satellite signals according to a frequency and a polarization;

a primary DHCT coupled to the switch for receiving the processed satellite signals, and for storing and subsequently transmitting desired satellite signals; and

at least one remote device coupled to the switch, the at least one remote device in communication with the primary DHCT, the at least one remote device for receiving the processed satellite signals, and for receiving the stored desired satellite signals from the primary DHCT via the switch.

5

14. The satellite communications system of claim 13, the primary DHCT comprising a modulator for modulating the stored satellite signals to a predetermined frequency having a polarization prior to transmission to the at least one remote device.

10 15. The satellite communications system of claim 14, wherein the predetermined frequency having a polarization is excluded from the plurality of frequencies having a polarization of the downstream satellite signals.

15